



SMART- BOND CHEMICALS PVT. LTD.

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SMART BOND -Neutral Silicone Sealants NP-120

TYPICAL PROPERTIES	
Uncured	
Specific Gravity- Translucent	0.94 ± 0.02(g/ml)
Specific Gravity- White/ Black/ Grey/ Ivory	1.48±0.02(g/ml)
Colors	Clear, White, Black, Grey, Ivory
Flow, Sag or Slump	NIL
Skin Formation Time (22°C / 50% R.H)	8-15min.
Curing Rate (22°C / 50% R.H)	3mm / 24 hours
Cured – Physical	
Elongation	>300%
Durometer Hardness, Shore A, points	20-35
Tensile Strength, N/mm ²	1.6-1.8
Maximum Allowed Distortion	25%
Service Temperature	-50°C to +232°C

DESCRIPTION

NP-120 Neutral Non-Corrosive Industrial Silicone is a high performance, one component adhesive/sealant formulated for industrial and electrical applications. **NP-120** remains permanently flexible, and exhibits excellent adhesion to a wide variety of substrates.

NP-120 suitable for gasketing application in gear box, engine and other industrial application. Good resistance with gasoline, engine oil, gear oil & water.

BENEFITS

- Non-Corrosive
- Neutral cure/low odor
- Medium modulus
- Excellent adhesion to vinyl, wood, steel, aluminum, glass and plastic
- VOC Compliant

- Sealing electrical equipment
- Bonding appliance parts
- Permanently flexible
- Waterproof

Applying the Material – NP-120 Neutral Non-Corrosive Industrial Silicone is supplied ready-to-use. Under pressure it flows readily from its container.

The paste-like consistency makes it easy to work; a spatula or wooden paddle can be used for tooling the surface.

The cure progresses inward from the surface. At conditions of at least 72°F (22°C) and 50 percent relative humidity, the sealant forms a tack-free skin in 30 minutes. Tooling is not practical after this skin forming begins and should be completed within 5-10 minutes of application, even though this may require alternate periods of applying and tooling. Likewise, if masking tape has been used to mark off an area, it should be removed before the skin forms.

Technical Data Sheet

LIMITATIONS:

- Applications involving prolonged sub-mersion in water, including aquariums
- Surfaces that require painting
- Totally confined spaces, as sealant needs atmospheric moisture for curing
- Structural glazing

CLEAN UP

Uncured sealant can be easily removed using a solvent such as alcohol or acetone. If the sealant is cured it must be removed mechanically by cutting and scraping.

CAUTION:

DIRECT CONTACT OF UNCURED SEALANT IRRITATES EYES AND MAY IRRITATE SKIN. OVEREXPOSURE TO VAPOR MAY IRRITATE EYES, NOSE, AND THROAT. Avoid eye and skin contact. Use with adequate ventilation. Do not handle contact lenses with sealant on hands. IN CASE OF EYECONTACT, flush eyes with water for 15 minutes. Obtain medical attention. IN CASE OF SKIN CONTACT, remove from skin and flush with water. KEEP OUT OF THE REACH OF CHILDREN.

STORAGE AND SHELF LIFE:

When stored in the original unopened containers at or below 80°F (27°C), NP-120 has a shelf life of 12 months from date of manufacturing. In Countries where high heat and humidity are a factor, special precautions must be taken. Store product in a covered, well-ventilated warehouse and avoid excessive heat conditions. Storage in high heat, high humidity conditions may reduce shelf life by up to 30%. Rotation of stock is an absolute necessity. Cartons should always be stacked upright with the nozzle tip pointed upwards. DO NOT stack cartons on their side. NEVER stack cartons more than 8 high. DO NOT store within 1 meter (4 feet) of roof line of the warehouse or storage building.

PACKAGING

NP-120 Neutral Non-Corrosive Industrial Silicone is available in standard caulking cartridges.

USERS PLEASE READ

The information and data contained herein is believed to be accurate and reliable; however, it is the user's responsibility to determine suitability of use. Since the supplier cannot know all the uses, or the conditions of use to which these products may be exposed, no warranties concerning the fitness or suitability for a particular use or purpose are made.

It is the user's responsibility to thoroughly test any proposed use of our products and independently conclude satisfactory performance in the application.

Likewise, if the application, product specifications or manner in which our products are used requires government approval or clearance, it is the sole responsibility of the user to obtain sure authorization.

Non-warranty: Because the storage, handling and application of the material is beyond Accumetric's control, we can accept no liability for the results obtained. Accumetric's sole limited warranty is the product meets the manufacturing specifications in effect at time of shipment. There is no warranty of merchantability or fitness for use, nor any other express or implied warranty. Accumetric will not be liable for incidental or consequential damages of any kind. The exclusive remedy for breach of such limited warranty is a refund of purchase price or replacement of any product shown to be other than as warranted.

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